

CENTURYWISE CW4 ALGAEICIDE

1. IDENTIFICATION OF SUBSTANCE/PREPARATION AND COMPANY

Product : CW4 Algaecide

REVISION 3

AUG. 2008

Company : Centurywise Ltd, Unit 2, HNG House, Stuart Road,
Bredbury, Stockport, Greater Manchester, SK6 2SR.

Tel : 0161 - 494 6801

Fax : 0870 123 1542

2. COMPOSITION/INFORMATION ON INGREDIENTS

Contents amongst other ingredients :-

<u>Substance</u>	<u>SIN no.</u>	<u>CAS no.</u>	<u>EC no.</u>	<u>% w/w</u>
Benzalkonium chloride	n/a	8001-54-5	n/a	12 %

3. HAZARD IDENTIFICATION

PRINCIPAL HAZARD : IRRITANT

HAZARDOUS COMPONENT (S)	PRODUCT CLASSIFICATION					RISK AND SAFETY PHRASE REFERENCE NUMBERS
Benzalkonium Chloride	T	C	Xn	Xi	F	R 36/ 38
				^		
	Xi IRRITANT					S 2 S 26

RISK PHRASES (R)	SAFETY PHRASES (S)
Irritating to eyes, and skin (R 36/ 38)	Keep out of reach of children (S 2) In cases of contact with eyes, rinse immediately with plenty of water, and seek medical advice. (S 26)

C.O.S.H.H. - CONTROL OF SUBSTANCES HAZARDOUS TO HEALTH

Does product contain an EH 40 Regulated Substance ? **NO** If yes continue.....

DOES THE EH 40 SUBSTANCE HAVE AN OCCUPATIONAL EXPOSURE STANDARD ? **N/A**

DOES THE EH 40 SUBSTANCE HAVE A MAXIMUM EXPOSURE LIMIT ? **N/A**

4. FIRST-AID MEASURES

a) STANDARD HSE GUIDANCE - <i>IF NO DIPHOTERINE IS AVAILABLE</i>	
SKIN	Drench area with clean water for 10- 15 minutes. If irritation is apparent seek medical attention. Irritation/redness will result if slow to react. DO NOT DELAY.
EYES	Irrigate immediately with clean water for 10 – 15 minutes, holding eyelid open if necessary, and seek medical attention. Severe irritant effect could result if slow to react.

b) BEST METHOD - USING DIPHOTERINE	
<p>DIPHOTERINE IS AN EYE/ SKIN DECONTAMINATION SOLUTION FOR RAPID FIRST-AID TREATMENT OF CHEMICAL SPLASHES. DIPHOTERINE STOPS THE PENETRATION OF THE CHEMICAL PRODUCT.</p>	
SKIN	Do not wash affected area with water. Spray Diphoterine directly onto the area. Product works best if applied within sixty seconds of occurrence – Hence an aerosol needs to be carried by the operator. Diphoterine will purge the harmful content from the affected area, and leave neutralized. Wash away residues. If irritation should persist, seek medical attention.
EYES	Do not wash eye with water. Irrigate immediately (within 60 seconds of occurrence) with Diphoterine spray. Wash away the residues. If irritation persists, seek medical attention.
<p><u>USE OF THIS PRODUCT REQUIRES TRAINING.</u> TO PURCHASE PRODUCT & TO ENQUIRE ABOUT TRAINING COURSES CONTACT.... KAYS MEDICAL (LIVERPOOL) – TEL : 0151 482 2830 , FAX : 0151 207 3384</p>	

c) INGESTION	Wash mouth with plenty of clean water. Drink water or milk to dilute hazard, and seek IMMEDIATE MEDICAL ATTENTION showing this data sheet. DO NOT INDUCE vomiting due to risk of aspiration of vapours.
d) INHALATION	Remove to fresh air and keep warm. Seek medical attention if symptoms persist.
MEDICAL ADVICE	CW4 should not be allowed to come into contact with skin, eyes , or clothing. If so, REACT QUICKLY to address the hazard.

5. FIRE FIGHTING MEASURES

Product is not flammable.

Extinguishing media : Water spray or fog , foam, dry powder.

Special exposure hazards : Irritating fumes may be given off. Thermal decomposition.

Special precautions : Wear appropriate protective equipment.

6. ACCIDENTAL RELEASE MEASURES

- Safety precautions :** Wear appropriate personal protective gear (see section 8)
- Environmental procedures :** Prevent entry into drains.
- Clean-up procedure :** Contain in confined area using sand, earth, or suitable material.

7. HANDLING & STORAGE

Handle in accordance with CHIP/ COSHH requirements ; Refer to Sections 3 (Hazards Identification) and 8 (Exposure Controls/ Personal Protection).

Store in a well ventilated area at ambient temperatures.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Wear full face visor.
Wear protective chemical proof suit and boots if danger of splashing.
Wear appropriate respiratory protection if poor ventilation or high concentrates (i.e. spillage) .
Avoid breathing mist or spray.

PROTECTIVE EQUIPMENT :



9. PHYSICAL & CHEMICAL PROPERTIES

Appearance..... Blue liquid
Odour..... Characteristic – slight odour
Relative density..... 1.05 – 1.15 @ 20 deg.C. (typical)
Boiling Point..... 101 deg. C
pH neat..... Approx. 7.0
Solubility..... miscible in all proportions

10. STABILITY & REACTIVITY

Avoid exposure to high temperatures.
May react with concentrated acids, and strong oxidising agents.

Portland stone, limestones, tarmac - Product will stain some limestone substrates and will occasionally discolour tarmac. Whatever the substrate **ALWAYS TRY SMALL SAMPLE AREA FIRST.**

11. TOXICOLOGICAL PROPERTIES

Eye, or skin contact will cause irritation.

12. ECOLOGICAL INFORMATION

Aquatic Toxicity -	Toxic due to pH effects
Degradability -	The surfactants used in this product are biodegradable in line with the requirements of EC directives
Mobility -	Not expected to be persistent in the environment
Bioaccumulative potential -	No evidence for

13. DISPOSAL INFORMATION

This product does not contain any prescribed substance under the Environmental Protection Act (Prescribed Processes and Substances) Regulations 1991, but is classified as special waste under the Control of Substances (Special Waste) Regulations 1996.

Under 'DUTY OF CARE' the disposal of unwanted stocks should be conducted in a safe and proper manner by authorised and consented methods.

Do not allow into drains or water courses, or dispose of where ground for surface waters may be affected.

Wastes, including empty containers, should be disposed of in accordance with regulations made under the Control of Pollution Act 1974, and the Environmental Protection Act 1990.

14. TRANSPORT INFORMATION

This product is not classified as hazardous for transportation.

15. REGULATORY INFORMATION

LABEL FOR SUPPLY : - **Irritant**



The Health and Safety information on the label as required by Regulation 9 of C.H.I.P. is quoted under Section 3 – Hazard Identification.

The relevant OES/ MEL (if applicable) as required by C.O.S.H.H. Regulations is stated in Section 3.

EC Directives –

Dangerous Substances Directive – 67/548/ EEC and adaptations.

Dangerous Preparations Directive – 88/379/ EEC

Safety Data Sheets Directive – 91/155/ EEC

U.K. Regulations –

Control of Pollution Act 1974

Control of Pollution (Special Wastes) Regulations 1980 SI 1709

The Control of Substances Hazardous to Health Regulations 2002 (as amended)

Dangerous Substances (Notification and Marking of Sites) Regulations 1990 SI 304

Environmental Protection Act 1990 (as amended)

Environmental Protection (Duty of Care) Regulations 1991 SI 2839 (as amended)

Carriage of Dangerous Goods and use of Transportable Pressure Equipment Regulations 2004

16. OTHER INFORMATION

Data source..... Centurywise Ltd

Use product only as directed.

Information compiled in accordance with Chemicals (Hazard Information and Packaging for Supply) Regulations (Chip 3) 2002 as amended , the Control of Substances Hazardous to Health Regulations (COSHH) 2002 (SI 1999/437) as amended, and the Management of Health & Safety at Work Regulations 1999, as amended.

DISCLAIMER :

THE ABOVE INFORMATION IS PROVIDED FOR HEALTH AND SAFETY PURPOSES ONLY, AND DOES NOT IMPLY ANY CHEMICAL SPECIFICATION. THE DATA HAS BEEN COMPILED FROM SOURCES CONSIDERED ACCURATE. THE USER SHOULD SATISFY HIMSELF THAT THE PRODUCT IS ENTIRELY SUITABLE AND SAFE FOR HIS OWN PARTICULAR PURPOSES. IT IS THE RESPONSIBILITY OF THE USER TO DETERMINE THE BEST PRECAUTIONS NECESSARY FOR THE SAFE HANDLING AND USE OF THIS PRODUCT FOR HIS UNIQUE APPLICATION. THIS DATA SHOULD NOT BE CONSTRUED AS ABSOLUTELY COMPLETE, SINCE ADDITIONAL DATA MAY BE DESIRABLE WHEN PARTICULAR CONDITIONS OR CIRCUMSTANCES EXIST.

CENTURYWISE LTD. DO NOT ACCEPT ANY LIABILITY WHATSOEVER ARISING OUT OF THE USE OF THE INFORMATION, OR ANY USE, APPLICATION, ADAPTATION, OR PROCESSING OF THE PRODUCT THEREIN, AND EXPRESSLY DISCLAIMS ANY LIABILITY FOR ANY INJURY OR LOSS ARISING FROM THE USE OF THIS INFORMATION OR THE MATERIALS DESCRIBED.

MANY LOCAL AND NATIONAL AUTHORITY REGULATIONS PERTAIN DIRECTLY OR INDIRECTLY TO THE PRODUCT'S END USE AND DISPOSAL OF CONTAINERS AND UNUSED MATERIALS. IT IS THE PURCHASER'S RESPONSIBILITY TO FAMILIARIZE HIMSELF WITH ALL APPLICABLE REGULATIONS.

Date of Preparation : August 2008

